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# COLORADO

**Colorado Water  
Conservation Board**  
*Department of Natural Resources*

## **DIRECTOR'S REPORT**

**November 2023**

Interstate Compact Compliance • Watershed Protection • Flood Planning & Mitigation • Stream & Lake Protection  
Water Project Loans & Grants • Water Modeling • Conservation & Drought Planning • Water Supply Planning



# COLORADO

## Colorado Water Conservation Board

Department of Natural Resources

TO: Colorado Water Conservation Board Members

FROM: Lauren Ris  
Rosie Major

DATE: November 15-16, 2023

SUBJECT: **Agenda Item 4b, November 2023 CWCB Board Meeting Director's Report**

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## STATEWIDE

### Finance Section Director's Report Items – November 2023

#### CWCB SMALL FEASIBILITY STUDY GRANT FUND UPDATE:

New grant applications approved:

1. None

Previously approved grants in FY23/24:

1. None

Total funds approved for feasibility study grants in FY23/24: \$0

### Local Capacity and Technical Assistance Grants Director's Report - November 2023

#### Local Capacity Grants

H.B. 22-1379 established \$2.5 million for Local Capacity Grants. The following table summarizes Local Capacity Grant activity through November 1, 2023.

<b><u>Approved Applications</u></b>			
Applicant	Project	Total Project Budget	Grant Award
Owl Creek Lateral	Improved Storage and Operations	\$42,400	\$31,625
Rio Grande Headwaters Land Trust	Capacity for Federally Funded Conservation Projects in the Rio Grande Basin	\$194,750	\$145,000
Grand County Learning by Doing	Federal Funding for LBD Stream Restoration and Improvement Projects	\$237,531	\$169,775
Ute Mountain Utes Tribal Government	Pre-Development Work (PL-566)	\$70,000	\$52,500
American Rivers	Wetland/Riparian Projects in the San Luis Valley	\$241,000	\$152,210
Colorado River Water Conservation District	Colorado River Drought Response Project	\$578,840	\$434,130
Colorado Rio Grande Restoration Foundation	Rio Grande Basin Capacity to Secure Federal Project Funding	\$268,800	\$195,000
Collbran Water Conservation District	Plateau Valley Pre-Development Work (PL-566)	\$70,000	\$52,500
West Divide Water Conservancy District	Martin Reservoir Enlargement and Reconfiguration	\$315,906	\$118,464
Total:		\$2,019,227	\$1,351,204

<b><u>Pending Applications</u></b>			
Applicant	Project	Total Project Budget	Requested Grant Amount
Farmers Conservation Alliance	<a href="#">White River Ditches Modernization Strategy</a>	\$564,690	\$188,230
Sangre de Cristo Acequia Association	<a href="#">Building Capacity and Project Framework to Target Federal Funding</a>	\$81,500	\$50,000
Total:		\$646,190	\$238,230

### **Technical Assistance Grants**

H.B. 22-1379 established \$2.5 million for Technical Assistance Grants. CWCB has contracted with Abt Associates to provide wide-ranging assistance to communities and water managers across Colorado as they develop federal grant applications for projects with a nexus to the Colorado Water Plan.

As of September 2023, two Technical Assistance project proposals have received preliminary approval and have advanced to the next step of the grant award process:

- City of Grand Junction, Juniata Enlarged Ditch Piping Project
- Lower Wilson Ditch Association, Lower Wilson Ditch Pipeline Project

Abt Associates has developed a draft scope of work and budget for the Juniata Enlarged Ditch project. These documents are currently under review by the City of Grand Junction. Abt is in the process of developing a draft scope of work and budget for the Lower Wilson Ditch project, and hopes to have these materials ready for review by early November.

CWCB staff continue to receive expressions of interest in the Technical Assistance Grant Program and have held preliminary meetings with other excellent candidates for the program.

## COLORADO RIVER BASIN

### COLORADO RIVER WATER USE—

2023 Colorado River Storage as of October 30, 2023			
	Elevation (feet above mean sea level)	Storage (MAF)	Percent of Capacity
Lake Mead	1,065.55	8.850	34%
Lake Powell	3,572.77	8.729	37%
Total System Active Storage		25.014	43%
2023 Total Active Storage		19.425	33%
		Flow (MAF)	Percent of Average
Forecasted Unregulated Inflow into Powell (Forecasted Water Year 2023)		13.421	140%

\*Note MAF = million acre-feet

### Wild and Scenic Fund

#### Upper Colorado River Wild and Scenic Stakeholder Group

The Upper Colorado River Wild and Scenic Stakeholder Group (SG) continues to hold regular meetings and all committees continue to work towards implementing the alternative management plan. At the October, 2023 meeting, the SG approved updated MOUs with the USFS and BLM, tasked the Executive Committee with working on allowable uses of the endowment fund, and asked the Finance Committee to develop a recommendation for management of the endowment fund. Since the last SG meeting, the Channel Maintenance Flow committee was dissolved and their work will continue with the Monitoring Committee. This fall a number of monitoring efforts occurred including a drone lidar survey, cross-section surveys, sediment sampling, macroinvertebrate sampling, and the group conducted the first observational monitoring and photo point surveys. The Cooperative Measures committee continues to meet monthly. That group is planning to contact the Bureau of Reclamation to seek opportunities to contract for unallocated water in Green Mountain Reservoir. They are also exploring a potential small scale project to use 300 acre feet of water to either enhance boatable days or address temperature issues. The SG applied for W&S Fund monies to support the channel maintenance flow monitoring efforts. This request for \$91,841 was approved on September 25, 2023.

#### Lower Dolores Plan Working Group

The Lower Dolores Plan Working Group continues to work on the designation of a National Conservation Area in a portion of the Dolores River and implementing a monitoring plan to improve native fish habitat and understanding of native fish needs on the Dolores River. These efforts are aimed at protecting the Outstandingly Remarkable Values (ORVs) without the need for the BLM to find portions of the Lower

Dolores River eligible for Wild and Scenic designation. The legislation was reintroduced in both the House and Senate.

2023 snowpack resulted in one of the biggest spill years in the past few decades. The goals set forth by the Monitoring and Recommendation team were all met this year, including flows over 3,000 cfs, temperature suppression flows early in the season, flows allowing for native fish surveys, and consistent flows for boaters. In October, there was a post-spill and monitoring meeting held virtually on Zoom, where water managers provided a recap of the season, and members of the group presented findings on monitoring, native fish surveys, and a summary of boater survey results. This recording is available on YouTube: [https://urldefense.com/v3/https://www.youtube.com/watch?v=64C5I2SDpcs;!!PUG2raq7KiCZwBk!cFb-fFVijewXncF\\_s-go37\\_BkIJTcMmUlmwm9n4iaWR61kF9Aj1D72K97xDBKGj7qJvbXv-kXtqkhXr8VzXaeyQa7zws\\$](https://urldefense.com/v3/https://www.youtube.com/watch?v=64C5I2SDpcs;!!PUG2raq7KiCZwBk!cFb-fFVijewXncF_s-go37_BkIJTcMmUlmwm9n4iaWR61kF9Aj1D72K97xDBKGj7qJvbXv-kXtqkhXr8VzXaeyQa7zws$) Additional work will be conducted this fall to survey during leaf off conditions. This data will support modeling efforts in the winter and spring of 2024. The PIT tag analysis study is likely to start this winter.

### **Other Wild and Scenic Updates**

#### Deep Creek

American Rivers continues to convene a diverse stakeholder group to discuss designation of Deep Creek as a Wild and Scenic River. The Stakeholder Group (SG) includes the USFS, BLM, Colorado Parks and Wildlife (CPW), local landowners, American Rivers, and various recreation and environment-based groups. The SG's Instream Flow (ISF) Committee proposed a CWCB-held ISF water right to protect all unappropriated flow with a water development allowance (WDA) to meet reasonable potential future uses. Additional discussions are needed to resolve concerns from a local landowner and to develop an agreement with the Colorado River Water Conservation District (River District) to specify how the potential ISF would operate and additional terms related to the WDA. The next meeting to continue discussions is scheduled in mid November.

#### Crystal River

Portions of the Crystal River from the headwaters to the Sweet Jessup canal headgate were determined to be eligible for inclusion in the Wild and Scenic program in the 1980s and again in 2002. The stakeholder group continues to meet monthly to discuss options of protection. The group held a Community Summit on Oct 26. The summit brought in speakers to share their expertise in the different approaches to protections of the Crystal River and provided an opportunity for summit participants to ask questions of the subject matter experts. More information about upcoming meetings can be found on the groups website: <https://thecrystalvalleyecho.com/wild-scenic-stakeholder>.

## **WATERSHED AND FLOOD UPDATES**

### **Additional Counties Added to Eligibility for 2023 Colorado Flood Disaster**

The Presidential Flood Disaster Declared for flooding and tornadoes during June 2023 was declared on August 25, 2023 and designated DR-4731-CO. The counties initially declared included Douglas, El Paso, Elbert, Lincoln, Kit Carson, and Cheyenne.

Since the initial declaration, additional assessments have been performed and additional counties added. The additional counties include Arapahoe, Logan, Washington, Baca, Kiowa, Prowers, and Teller.

Counties included within the disaster declaration are eligible for federal recovery funds for damage to public infrastructure sustained during the incident period. FEMA will pay for eligible recovery project costs up to 75% of the total project cost, with a 25% non-federal cost share.

(Kevin Houck)

### **Final Letter of Map Revision for CWCB Funded 2013 Flood Recovery Projects**

The CWCB facilitated many activities after the floods of 2013. These included the formation of collaborative coalitions, stream master plan development, project identification & prioritization, permitting, engineering and design, and project construction. By the end of the recovery process the CWCB worked on 117 flood recovery projects, and the total construction cost was over \$70 million.

The permitting process required local sponsors to apply to FEMA for a Letter of Map Revision (LOMR). LOMRs are required when making changes to Base Flood Elevations (BFE) on FEMA Flood Insurance Rate Maps (FIRMs). Many FIRMs were changed during the flood recovery process, but not all the local coalitions had the technical expertise or funding to navigate the LOMR process.

The CWCB helped many of the non-profit watershed groups and some small municipalities by providing the funding and technical expertise to complete the LOMR process for flood recovery projects. The CWCB developed eight LOMR applications that included survey, modeling, and mapping. The final LOMR application submitted on behalf of the Town of Lyons on St. Vrain Creek was approved in July of 2023. This marks a significant milestone for the 2013 flood recovery effort as the LOMR process is the final step to close out the on the ground efforts to rehabilitate and restore Colorado's streams.

(Chris Sturm)

### **Camp St. Malo**

On October 16, 2023, staff took a site visit to one of our project sites in the St. Vrain watershed, Camp St. Malo, which is a CWCB-funded, multi-objective project to design stage zero watershed restoration and monitoring in a headwater stream. The project aims to improve watershed resilience in Cabin Creek, which is adjacent to high-fire-risk forests, by restoring and enhancing natural ecological and geomorphic processes for diverse flora and fauna while also protecting downstream communities and infrastructure by improving floodplain connectivity and the capacity of the river to sustain flood, fire, and other disturbances. The initial phase of this project was for design, and during the site visit we discussed the various concepts that were developed. The preferred alternative was selected because it would reduce flood and fire risk to existing on-site infrastructure; attenuate fluxes of water and sediment to buffer downstream communities and community assets during floods; increase the ability of the Camp and fire response units to suppress wildfire; reconnect the river with its floodplain; remediate the 2013 flood



impacts; stabilize, protect, and keep sediment out of ponds; maintain the flow of water through the ponds; increase habitat for wildlife; maintain emergency access and two points of entry and exit from the highway; enhance access and the natural space for learning and education; and mitigate the risk of future debris flow. The treatment types for this preferred alternative will use predominantly natural materials. Practically, this means that the stream channel and floodplains will be stabilized using the existing rock that is on site, the large wood that is racked on the margins of the corridor, and live cuttings from the existing willow stands. Arrangements of this material can take many forms and ultimately, the treatments to be used will be determined in the final phase of design.

Funding opportunities for the construction phase were discussed, and we look forward to receiving a grant application for the Wildfire Ready Watersheds program, which uses ARPA funds to implement projects designed to protect values at risk from post wildfire hazards, such as debris flows, increased runoff, hillslope erosion, flooding, and fluvial hazards. In the event that this project has multiple construction phases that reach beyond the temporal constraints of the Wildfire Ready Watersheds funding, this project will also be an excellent fit for a Water Plan Grant in the Watershed Health & Recreation category.

Andrea Harbin Monahan

### **2023 CASFM Conference - 2013 Flood Recovery and WRW Project Award**

The Colorado Association of Stormwater and Floodplain Managers (CASFM) holds their yearly conference each fall. This September was the 34<sup>th</sup> Annual CASFM Conference, held in Keystone, CO. CASFM's mission as an organization is to connect people who keep Colorado's watersheds resilient. CASFM's vision is *working to promote, enhance, and protect streams and floodplains for the benefit of all*. This organization aligns very closely with the Colorado Water Conservation Board's mission to conserve, develop, protect, and manage Colorado's water for present and future generations. The Watershed and Flood Protection Section has a great history of engagement and collaboration with the CASFM group.

This year represented a decade since the devastating flooding in 2013. This year's conference started with the Keynote, titled Progress Through Calamity. This keynote was presented by our own Kevin Houck and Chris Sturm along side CDOT's Brian Varrella. The keynote reflected on the hardship and devastation that the 2013 flood brought to our State. Through the hardship, people stepped up, started to solve problems, learn from previous mistakes, and rebuild our communities. Many great lessons, great relationships and great projects have come out of the last decade of hard work on this immense recovery effort. Almost half of the room, of over 500 attendees, raised their hands when asked who has been involved in some way with the flood recovery. There is a very strong and resilient group of professionals in Colorado that work in stormwater and floodplain management. A group that Kevin and Chris have been instrumental in for more than just this past decade.

Every year, CASFM members vote during the conference for the "CASFM Engineering Excellence Project Award". Each year the award category switches between construction and non-construction. This year's category was non-construction. The three projects nominated that made it to voting were, Colorado Springs Green Infrastructure Manual, Denver One Water Plan and Wildfire Ready Watersheds. All three groups gave presentations about their efforts and voting took place over the next two days of the conference. CWCB's Wildfire Ready Watersheds won the award! This is a great recognition, from our

own peers, to all involved with this effort. Kevin Houck and Jeff Sickles, our Technical Assistance team lead, were present to accept the award. This was a well deserved and very robust accomplishment.

(Steve Reeves)

#### ***FEMA FY22 NFIP CAP-SSSE Grant Close Out***

October 30<sup>th</sup> saw the administrative close-out of the FEMA FY22 National Flood Insurance Program (NFIP) grant period of performance which concluded on June, 30, 2023. A formal request to close the grant was submitted to FEMA Region 8 along with final financial reporting and period of performance summary.

From July 1, 2022, through June 30, 2023, the Colorado Community Assistance Program (CAP) office conducted eight total Community Assistance Visits with the following communities: Bennett, Pagosa Springs, Castle Rock, Green Mountain Falls, Crested Butte, South Fork, Canon City, and the City & County of Denver. The Community Assistance Visit is a formal visit with a community's Floodplain Administrator for the purpose of assessing the community's floodplain management program and its knowledge and understanding of the NFIP requirements. The emphasis is on resolving any potential issues discovered during the meeting by providing assistance to resolve any deficiencies as well as providing an opportunity to re-establish working relationships between localities and the state.

This office also conducted fifteen Community Assistance Calls with the following communities: Fountain, Monument, Collbran, Craig, Montrose County, Ridgway, Meeker, Telluride, Woodland Park, Eaton, Palisade, Garfield County, Gilcrest, Ignacio, and Grand County. Community Assistance Contacts are designed to reinforce state/community cooperation and create greater awareness of the NFIP and community responsibilities. There were also over 250 individual occasions whereby this office provided technical assistance regarding the NFIP, floodplain rules, regulatory mapping, or other related information to Colorado residents, community officials, or professionals during the grant year.

The current grant period of performance began on July 1, 2023, and will run through June 30, 2024.

(Doug Mahan, Willem Lensink)

#### ***NFIP Community Enrollment***

Town of Foxfield, CO (Arapahoe County) invited this office to attend and participate in a Board of Trustee meeting on Thursday, Oct. 5, 2023, to discuss the National Flood Insurance Program (NFIP). The town does not currently participate in the NFIP but is included in a floodplain map update project being conducted by the Mile High Flood District. Preliminary mapping indicates minimal impact to structures within the town's jurisdiction. Our office provided information on the benefits of the NFIP program as well as the role and responsibilities the town would undertake should they decide to participate. As the purpose of our attending was informational, the town made no decision on joining the NFIP during the meeting but is taking it into consideration.

(Doug Mahan; Willem Lensink)

## **The Letter of Map Revision (LOMR) Review Partners Program**

The CWCB LOMR Review Partners Program continues to work with applicants, communities and the Federal Emergency Management Agency (FEMA) to answer questions, provide guidance, and work through complex issues for both ongoing and upcoming map revision requests. CWCB processes and makes recommendations for revision requests on behalf of FEMA to modify flood hazard information on Flood Insurance Rate Maps (FIRMs). FEMA determines if the revision request will be approved or become effective. To date, we have received 110+ cases and we currently have ongoing cases in Boulder, Clear Creek, Chaffee, Douglas, El Paso, Elbert, Garfield, Gilpin, Grand, Jefferson, Larimer, Montrose, Prowers, Pueblo, San Miguel, Sedgwick, Summit, Yuma, and Weld Counties.

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### **November 2023 Risk Mapping, Assessment and Planning (MAP) Project Updates by Major Water Basin**

CWCB is FEMA's Cooperating Technical Partner (CTP) for the state while Mile High Flood District (MHFD) is the CTP within their service area (Denver Metropolitan Area). CWCB provides support for and coordination with MHFD on projects and data sharing for communities that extend across common boundaries.

**North Platte Basin** – No flood hazard studies are being conducted in this area.

**South Platte Basin** – Adams, Arapahoe, Boulder, Sedgwick, Larimer, Lincoln, Logan, Morgan, Park, Phillips, and Weld Counties have ongoing Risk MAP studies. Ongoing CWCB studies within the South Platte basin are as follows:

- Park County Phase 2: Phase 2 (Data Development) is underway. Our consultant submitted the hydrology deliverable and comments came back from FEMA. Comments were received, addressed, and the package resubmitted for backcheck. FEMA is making a shift to 2-Dimensional (2D) hydraulic modeling. During the transition period (that will take 5 to 10 years) we are verifying with the communities that they are still in agreement with receiving the 2D hydraulic modeling instead of the traditional 1D hydraulic modeling. Town of Alma came back requesting that we study their streams with 1D models, and the Town of Fairplay confirmed they're okay with 2D modeling. CWCB is working with communities to provide appropriate flood hazard products. Factors that may be taken into consideration are available community resources, information technology infrastructure, local support, etc.
- Logan County: The County has been suspended from the NFIP. The County's NFIP participation status will not impact progress for the ongoing Risk MAP project. Phase 2 Memoranda of Agreement (MOAs) signed from the Town of Fleming and City of Sterling. County does not wish to sign. Survey efforts have been completed. Hydrology is almost finalized and hydraulic modeling is underway.
- Adams and Arapahoe Counties: The draft BLE modeling and mapping are complete for both counties. Together, CWCB and MHFD held virtual meetings with the Adams communities on January 18<sup>th</sup>, and with Arapahoe communities on January 26<sup>th</sup>. For portions of the counties outside the MHFD, BLE data will continue through the Risk MAP process that is being implemented in other counties across the state. This will result in revised flood hazard information for these areas. Draft BLE data developed within the MHFD boundary has been provided to MHFD and will not be studied further by CWCB. MHFD will use the data for informational purposes and other uses within the service area. We held the Adams County Discovery meeting in October for the CWCB portions and we will plan to hold the Arapahoe County Discovery meeting in the next few weeks.

- Morgan County BLE: We will be scheduling a Phase 2 kickoff meeting in the coming weeks, now that a contract is in place. We are investigating some past flooding history from 1965 in the Town of Hillrose before moving the project forward. CWCB will be meeting with the City of Brush in late November to discuss flood hazard revisions impacting the community (specifically along Brush Creek). While in Brush, we have an appointment to review any historic flooding information (particularly from 1965). the City of Brush's archives.
- - Weld Countywide: A countywide BLE/Discovery effort is ongoing for all flooding sources with drainage areas > 1-square mile. This countywide study will not include flooding sources recently updated with the CHAMP project (summarized below). A kickoff meeting with communities will be held in the next few weeks. Colorado Hazard Mapping Program (CHAMP) Physical Map Revisions (PMRs): The CWCB was able to leverage funds from FEMA to continue getting several CHAMP studies incorporated into updated Flood Insurance Rate Maps (FIRMs) and Flood Insurance Studies (FISs) through the FEMA Physical Map Revision process. CHAMP involved analyzing major streams across various Colorado counties (following the devastating 2013 flooding along the Front Range) and includes over 200 FIRM panel updates. Three remaining counties are being completed within the South Platte Basin. These include Boulder, Weld, and Larimer Counties.
- Boulder County PMR: Revised preliminary FIRMs took place on July 11, 2023, to incorporate some changes resulting from due process. The LFD date is set for December 20, 2023. FEMA's contractor is restudying the stream reach along Left Hand Creek as recommended by the Scientific Review Panel (SRP). This impacts portions of three FIRM panels. These panels will reflect the current effective flood hazard data until the restudy is completed. The resulting updates to these three panels will become effective through a future LOMR that will follow the MT-2 revision process.

Two LOMRs are being completed to reflect CHAMP data for over 6,000 feet along Geer Canyon Creek and approximately 12,000 feet along Left Hand Creek (upstream of the SRP area), and to incorporate an effective LOMR along Fourmile Canyon Creek near the southern boundary of FIRM panel 08013C0385J. All stream reaches included in the LOMRs are well outside the SRP area. CWCB is working with MHFD to get these two required LOMRs completed.

- Weld County PMR: The Letter of Final Determination (LFD) was issued on May 30, 2023. The revised Flood Insurance Study (FIS) and Flood Insurance Rate Maps (FIRMs) will go effective on 11/30/2023.

The City of Longmont extends into both Weld and Boulder Counties. Longmont has opted to split their flood hazard information at the Boulder/Weld County line. This impacts four FIRM panels that were previously included in the Boulder County PMR that will now be part of the Weld County flood hazard information. These four panels reflect updated flood hazard data for portions of the City of Longmont. The four panels need to go through an appeal period for Weld County and will be completed as the Longmont PMR. The four panels are being removed from the Weld County PMR to allow the rest of the Weld County PMR to move ahead and become effective. The Longmont PMR will proceed on a slightly delayed schedule to accommodate the additional appeal period that started on 8/9/2023 and will end on 11/7/2023.

- Larimer County PMR: Due process for this project has ended and there were several comments/appeals received. Valid Appeal items have been resolved and revised preliminary FIRM panels were issued on 10/16/2023. Due to additional information that we reviewed recently, we may need to pull a few panels in the county and either handle updates with a separate map revision, or produce another revised preliminary in the coming months.
- Phillips County Phase 4: The 90-day appeals/comment period closed on June 27th. FEMA received one package regarding revised hydrology and hydraulics- from CDOT during due process. FEMA's contractor is reviewing the package contents to determine if it is a valid appeal and the path forward
- Phillips Countywide: CWCB held the countywide Discovery meeting in January 2023, and we are preparing for a Phase 2 kickoff meeting in the near future. This study covers the portion of Phillips County not included in the Phase 4 project. The BLE hydraulics were approved by FEMA's contractor. The second part of the review (BLE mapping) is on hold pending BLE DFIRM database decisions from FEMA and its contractor.
- Sedgwick County: A countywide BLE/Discovery effort has begun for flooding sources that weren't updated with the CHAMP project that became effective in May 2021. A kickoff meeting is scheduled to take place on Nov 3, 2023.

**Colorado Basin** – Eagle, Summit, and Garfield Counties have ongoing Risk MAP studies:

- Eagle County Physical Map Revision Phases 2-3: We are working on the revised preliminary to adjust some mapping from a somewhat recent LOMR in the Basalt area. We hope to release that updated mapping and reporting package in November 2023.
- Garfield County Phase 2-3: Hydraulic analyses are being performed for the scoped streams. A debris flow analysis was produced for the Glenwood Springs area and we have shared the results with the community. There were a lot of questions on potential insurance implications in/around regulatory mapped debris flow areas, etc. CWCB met with FEMA to provide more information in response to the concerns, which were shared recently with the community. The City got back to us to confirm that they do not want to pursue regulatory mapping based on the debris flow analysis results, and instead want regulatory mapping to reflect clear water conditions.
- Summit County BLE/Phase 2: First part of the survey is complete. Remaining survey collection is both weather-dependent and limited by allowable private property access. Hydrology is being reviewed by FEMA and comments/edit requests will be received by 11/13.

**Gunnison Basin** – Delta, Gunnison, and Ouray Counties have ongoing studies:

- Delta County Phase 2-3. Preliminary distribution date TBD. For the state-funded Minnesota Creek LOMR, survey has been collected. Surveyors were unable to locate one of the culverts near the confluence with the North Fork of the Gunnison River. The Town of Paonia has been contacted for additional assistance in locating any as-built or other records for this structure. CWCB has not yet heard back from local community.

- Ouray County PMR: The Ouray County LFD was issued on July 11, 2023. The county will have updated, flood hazard mapping for some major flooding sources that will become effective on January 11, 2024.
- Ouray Countywide BLE: A countywide BLE/Discovery effort started for areas not covered in the Ouray County PMR. A kickoff meeting with communities will be scheduled in the coming weeks.
- Gunnison County PMR: Hydraulic modeling had been approved by FEMA; however, the communities requested consideration of an existing embankment/dam structure (non-dam feature) as providing flood protection. CWCB is working with communities as they address options for ensuring the existing embankment can be credited with providing flood protection. We are also coordinating with FEMA on proposed shallow flooding floodplain zones for certain areas through the Town of Crested Butte, which was approved a few weeks ago. Gunnison County has expressed concerns regarding receiving 2D hydraulic modeling products along the Gunnison. They are requesting consideration of a 2D-informed 1-dimensional (1D) model for portions of the major flooding sources for regulatory purposes. The City of Gunnison and Gunnison County are working on an agreement that Gunnison County areas will mostly be 1D hydraulic models, while Gunnison River hydraulic modeling through the City will remain a 2D model.
- Gunnison Countywide BLE: We are currently working with the county to get concurrence on the proposed path forward and scope of work for the County. Concerns revolve around the hydraulic modeling methodologies to be used for certain flooding sources, as the County would prefer to have as many 1D models as possible. CWCB has agreed to provide the 1D products in areas with significant development pressure.

**Rio Grande Basin** – Alamosa, Costilla, and Mineral Counties have ongoing studies:

- Alamosa County BLE: BLE and draft mapping data for Phase 1 of the countywide study expected to be ready in the next few weeks. We are coordinating with the City of Alamosa, USACE and FEMA, as the city works toward certification for portions of the existing levee system along the Rio Grande River.
- Costilla County Phase 2-3: We are working with our consultant to cover additional data development for required stream reaches that we were not able to previously revise due to significant delays in obtaining new that high resolution LiDAR data is available. This has resulted in projects delays and we are currently working on the additional hydrology and hydraulic modeling for the remaining areas.
- Mineral County/City of Creede LOMR: The Willow Creek LOMR to support certification of the existing levee in the City of Creede was issued. This LOMR meets FEMA's accreditation requirements to allow flood hazard mapping to reflect the levee as providing flood protection for portions of the community. Mineral County preliminary distribution took place on January 13, 2023, and we held the CCO and Public meetings on September 7, 2023. We are hoping to begin the 90-day appeal/comment process in a few weeks.

**Arkansas Basin** – Lake, Chaffee, Custer, Fremont, Pueblo, El Paso, Huerfano, Las Animas, Otero, Bent, Prowers, Baca, Crowley, and Kiowa Counties have ongoing studies:

- Lake County Phase 2: Hydraulic modeling along Georgia Gulch is ready for FEMA review and approval. Next steps include working with communities on floodplain mapping options. CWCB has proposed representative floodplain mapping options for mapping areas of shallow flooding along Georgia Gulch. We finally received FEMA approval and are working to finalize the data development. CWCB will coordinate with the communities for the Resilience meeting.
- Chaffee County Phase 2: Wrapped up hydrology development currently being reviewed by FEMA. CWCB, FEMA and the County have been discussing the Chalk Cliffs area to determine the best approach for flood hazard mapping information and supplemental non-regulatory information to help the county with development regulation. CWCB last met with the County on August 29, 2023, where it was decided to leave the effective approximate floodplain delineation (Zone A) as is for the Chalk Cliffs area. Proposed development in this area will trigger additional geological hazards information from developers to support the development effort. More information on non-regulatory product development may be revisited in the future if desired by the County. Hydraulic modeling countywide is underway.
- Custer County BLE: We have had recent coordination with the County and incorporated towns to discuss the scope of work expectations. Since no confirmation was received on any additional study areas, the countywide project will result in updates to flood hazard information for currently effective streams during the regulatory project phases.
- Pueblo County BLE: CWCB is working to scale back the original Phase 2, Year 1 scope for the pre-levee assessment efforts (as requested by FEMA). CWCB is reviewing the revised scope from our Contractor that includes both the language and level of detail that aligns with FEMA's authority relative to levees. Once approved, we will continue with the data development phase of this study.
- Huerfano County Phase 2: Detailed hydraulic modeling for stream reaches scoped in Phase 2 is wrapping up. CWCB is coordinating with the County and incorporated communities to discuss how to proceed with mapping of floodways and shallow flooding areas. This will also require coordination with FEMA as well. Communities are to provide a determination on the draft floodway delineations in the next couple of weeks.
- Bent County: This project is on hold as CWCB and FEMA allow the Arkansas River Conservancy District (levee sponsors) to work towards completing the Arkansas River South Levee analysis and certification. The existing levee has previously provided flood protection to the City of Las Animas and portions of unincorporated Bent County. The levee sponsors are working with their contractor to obtain certification and accreditation for the levee so the revised flood hazard mapping would reflect this levee segment as providing flood protection in the Bent Countywide Risk MAP study. CWCB, FEMA, and USACE will continue to coordinate and support the communities and levee sponsors as progress toward levee certification continues. In addition, CWCB provided state funding to develop an Emergency Preparedness Plan and Interior Drainage Analysis for this levee. The EPP has been provided to CWCB for review. Both the EPP and Interior Drainage Analysis products are required as part of the certification and will be included by the levee sponsors as part of their levee certification package. CWCB has made a one-time funding contribution for the sponsors to complete the geotechnical evaluation. This evaluation is key in providing data to allow an accurate assessment and identification of the level of effort needed for work associated with obtaining certification.

- Otero County: Floodplain mapping is being revised based on unrealistic hydrology tie-ins from the Apishapa River area. The subsequent delay to resolve discrepancies will push the next community meeting into the winter months. Our consultant is currently wrapping up the revised modeling and mapping to send to FEMA for review/approval.
- El Paso Phase 2 and Templeton Gap (T-Gap) Levee: Data Development continues for updated hydraulic modeling for the El Paso countywide Risk MAP study. Hydrology has already been submitted to FEMA for review. CWCB has provided funding to support coordination between our Risk MAP team and the LOMR Review Partners Team to coordinate consistency in hydrologic and hydraulic modeling approaches consistent with the ongoing study for development projects underway and proposed within these communities. The study also includes addressing data gaps noted in the Templeton Gap pre-levee analyses. While the levee has been shown to provide flood protection in the past, it is not certified. CWCB's team is working with the City of Colorado Springs, the USACE and FEMA on updated flood hazard mapping in this area. Certification is required to allow the revised flood hazard mapping to reflect the levee providing flood protection. The City of Colorado Springs has funded revised hydrology for the Templeton Gap area that will be used in the hydraulic updates. CWCB is working with El Paso County to determine if recent flooding events will warrant some study adjustments along isolated flooding reaches.
- Las Animas County Phase 2: We are repurposing FEMA FY22 grant funds originally identified for Phase 3 and 4 tasks to help cover the data development for community-requested additional flooding sources. Hydrology revisions are underway.
- Fremont County Phase 2: We are wrapping up detailed hydraulic model development for Phase 2. Floodway development is also taking place. Data will be provided to FEMA for review and approval in the near future. CWCB is preparing to hold a flood risk review meeting with communities in the coming weeks. The base model engineering has already been submitted for FEMA review.
- Prowers County Phase 2: Base floodplain models are complete and are currently under FEMA review/comment. Once FEMA approves the base floodplain, floodway analysis will be performed in coordination with communities and submitted for FEMA review and approval. The Flood Risk Review meeting is anticipated to take place in the coming weeks.
- Towns of Granada/Holly/Lamar (Prowers County) Pre-Levee assessments: The Lamar Levee Analysis and Mapping Procedure (LAMP) is being reviewed. State-funded Interior Drainage Reports and Emergency Preparedness Plans (EPPs) have been reviewed by CWCB and comments are being addressed by the contractor.
- Kiowa County: A countywide BLE/Discovery effort was initiated for all flooding sources with drainage areas greater than a square mile within the county. A kickoff meeting with communities will be scheduled soon.
- Baca County: The project kickoff meeting was held a few weeks ago and we're wrapping up the BLE modeling. The Discovery products are being prepared for a meeting with communities in the next few weeks.



- Crowley County: A countywide BLE/Discovery effort was initiated for all flooding sources with drainage areas greater than a square mile within the county. A kickoff meeting with communities will be scheduled soon.

**Yampa/White Basins** –Moffat County has an ongoing Risk Map study:

- Moffat County: Hydraulic models for specific flooding sources have been approved by FEMA. CWCB finally received FEMA approval on recommended mapping options along Fortification Creek within the City of Craig. We are proceeding with the updated floodplain mapping and hope to share results with the communities very soon.

**Dolores/San Juan Basins** – La Plata, Dolores, Montezuma, Archuleta, and San Juan Counties, along with the Southern Ute Indian Tribe (SUIT) and Ute Mountain Ute (UMU) Tribe nations, have ongoing studies.

- Animas Watershed Phases 3-4 (La Plata, San Juan, Archuleta, and the SUIT):
  - La Plata County PMR–Some revised preliminary maps resulting from resolution of items received in due process required a 30-day community comment period after being issued June 14, 2023. We finally issued the Letter of Final Determination (LFD) on October 25, 2023. The effective mapping data will be 6 months after this LFD.
  - Archuleta County PMR– The revised flood hazard information went effective October 6, 2023.
  - San Juan County PMR – The San Juan County PMR was completed and revised flood hazard data went effective on May 5, 2023.
- Southwest Colorado (Montezuma, Dolores, San Juan, La Plata, Archuleta, Hinsdale, Mineral Counties and the SUIT and UMU Tribes) BLE: Our Contractor submitted BLE and the Discovery deliverables for FEMA review and approval. Comments were addressed and resubmitted for backcheck. The Phase 2 scope of work will be finalized for detailed study stream reaches once Phase 2 kickoff meetings take place. These meetings will be held with communities and tribal nations impacted by flood hazard modifications. Efforts to get these scheduled are expected to take place over the next few weeks. With FEMA approval, CWCB will reallocate funding from the Phase 3-4 scopes of work tasks to accommodate the study of additional streams that were requested by communities during the Discovery meetings in May 2022. Additional funding for re-scoping the Phase 3-4 tasks will be requested in a future FEMA CTP grant cycle.

**Multi-Basin Risk Map Projects**: Elbert, Mesa, Hinsdale, Lincoln, Saguache, San Miguel, and Teller Counties have ongoing studies that span multiple water basins.

- Elbert County: Phase 2 (Data Development) is underway. CWCB's Contractor is addressing comments on the hydrology submittal. Hydraulic modeling preferences between 1D and 2D modeling approaches are also being confirmed with communities. CWCB is working with Elbert County communities to determine if recent flooding events will require some study adjustments along isolated flooding reaches.

- Mesa County Phase 2: Surveying complete. Hydraulics for the Colorado River are in the FEMA review/comment stage. The remaining countywide flood hazard mapping will be going to FEMA for review soon.
- Flood Risk Information System (Mesa County): Based on additional staff input, minor modifications are being performed on the draft website for this Flood Risk Information System (FRIS) pilot project. CWCB and our Contractor will meet with communities in Mesa County to showcase the site and obtain additional input. Once community feedback has been adequately addressed, the site will go live. This project was presented during the annual Association of Stormwater and Floodplain Managers conference in mid-May 2023 and preliminarily shown to the Mesa County floodplain administrator in September 2023.
- Hinsdale County/Lake City Partial Countywide: The revised 90-day appeal and comment period took place on August 4, 2023, and will run for 90 days, until November 2, 2023. No comments or appeals have been received to date.
- Hinsdale Countywide BLE: A Phase 2 kickoff meeting with the communities took place on October 20, 2023. We will follow up with meeting materials and scope of work refinements to the communities as soon as possible.
- Teller County Phase 2: CWCB's Contractor has completed the revised hydrologic analyses for Trout Creek and Fountain Creek. Additional analyses were required to verify flows were reasonable and in line with existing flood flows for the same flooding sources in adjacent counties. Updated reports on the results are in process and will soon be shared with the appropriate communities and sent in to FEMA for review/approval.
- San Miguel Countywide BLE: A countywide BLE/Discovery effort will be starting soon. An in-person kickoff meeting with communities will be scheduled in the coming months. CWCB and its contractor will be coordinating with communities on identifying new and/or updating effective flood hazard for flooding sources with drainage areas greater than 1 square mile that were not included in the San Miguel PMR (more updates under the CHAMP Ph3 category below).
- Lincoln Countywide: A countywide BLE/Discovery effort has begun for flooding sources with drainage areas greater than a square mile that were not included with the ongoing Lincoln County PMR revisions (summarized below). CWCB's Contractor has completed the BLE modeling, and a Discovery meeting will be scheduled with communities to review results very soon.
- Colorado Hazard Mapping Program (CHAMP) Phase 3: This set of studies originated from the Colorado Senate Bill (15-245) which was put forth as a response to the destructive 2013 flooding along the Front Range. This bill released funding to better assess and map various flood related hazards, including debris flows and erosion, throughout Colorado. In this phase CWCB funded a paper inventory reduction effort through various counties across the state. This would replace and update effective FIRM panels with updated digital flood hazard information. Counties that were affected by 2013 floods where local conditions were clearly changed. Several county projects that were scoped as part of this CHAMP effort are still ongoing, including the ones listed below.

- San Miguel County: This PMR has been on hold for over two years pending as-constructed data from the Town of Telluride for the Valley Floor Restoration project. The Valley Floor Restoration project completely re-aligned the San Miguel River to its historic location through open space areas west of the Town. The dramatic changes along the San Miguel River resulting from the project are being revised with an ongoing LOMR on the effective FIRM and FIS information. Once the LOMR has been issued, the project data will be incorporated into the updated San Miguel River hydraulic analysis and flood hazard mapping for the PMR. CWCB will coordinate with San Miguel County communities through in-person meetings to wrap up the Data Development (Phase 2) before moving forward with development of preliminary products (Phase 3).
- Lincoln County Phases 2-3: The appeal period ended on September 29, 2023. Neither FEMA nor CWCB received additional information. We are working to prepare the final mapping and reporting, and have the Letter of Final Determination issued in late winter 2023/early spring of 2024.
- Saguache County: Floodplain mapping has been approved by FEMA for all areas submitted outside of the Town of Crestone. A resilience meeting for areas outside the Town took place on August 23, 2023. We are working to publish and distribute the preliminary products around December 15, 2023.

*(Terri Fead, Marta Blanco Castaño)*

## WATER SUPPLY PLANNING SECTION UPDATES

### Water Supply Reserve Fund Grants Director's Report –November 2023

#### WATER SUPPLY RESERVE FUND GRANTS:

The following table summarizes the Water Supply Reserve Fund Grants \$50,000 and under were approved by the CWCB Director, Lauren Ris, on October 30, 2023.

Basin	Applicant/Grantee	Name of Water Activity	Basin(s) Account Request	Statewide Account Request	Total Request	Staff Funding Recommendation
Arkansas	Arkansas River Basin Water Forum	Arkansas River Basin Water Forum Education & Outreach Program	\$17,500	\$17,500	\$35,000	\$35,000
Gunnison	American Rivers	Uncompahgre Multi-Benefit Project	\$50,000	--	\$50,000	\$50,000
Southwest	La Plata Water Conservancy District	LPWCD Recharge Pits Technical Analysis	\$25,000	--	\$25,000	\$25,000
Southwest	Park Ditch Company	Park Ditch Parshall Flume Purchase & Installation	\$10,000	--	\$10,000	\$10,000

## INSTREAM FLOW

### Directors Report - Update on Ruedi Reservoir Winter Release Program

Beginning in 2019, the CWCB, in partnership with the Roaring Fork Conservancy (RFC) and Colorado River District, has leased water in Ruedi Reservoir for winter instream flow use. The primary purpose of these releases has been to increase wintertime streamflow and mitigate the effects of anchor ice. Although a naturally occurring feature, anchor ice can occupy fish and macroinvertebrate habitat and form dams which can alter water flows. Release of these “ice jams” can scour the streambed surface disrupting aquatic habitat. Studies commissioned by RFC have shown that flows between 60-70 cfs are beneficial to aquatic life by minimizing anchor ice and helping macroinvertebrate communities recover following severe ice formation.

In part due to above average hydrologic conditions this past season, the Bureau of Reclamation has determined that sufficient water levels in Ruedi Reservoir will allow 2023-24 wintertime releases to be maintained in the 60-70 cfs range without the need for additional water leasing. The RFC will continue annual monitoring (conducted since 2020) to better understand the factors that affect ice formation and to investigate correlations between reservoir releases and ice formation. This in turn may help increase winter lease program efficiency. Data collected in 2022-23 indicate that supplemental winter releases from Ruedi Reservoir reduce percent coverages of anchor and surface ice despite conducive conditions from a colder than average winter.

### **Director’s Report Attachment – November 15-16, 2023 CWCB Meeting Stream and Lake Protection Section De Minimis Cases**

The following table summarizes applications that have the potential to injure the Board’s instream flow water rights, but the impact is considered de minimis. In these cases, the cumulative impact to the Board's right is less than 1%. Pursuant to ISF Rule 8(e) (the de minimis rule), staff has not filed a Statement of Opposition in these cases and has provided the required notification to the Division Engineers and applicants.

Applicant Case No.	Water Div.	Applicant	Stream CWCB Case No.	ISF Amount (cfs/date)	Individual Injury (%)	Cumulative % Injury	Count
23CW3091	1	Anneke B. Taglia Revocable Trust, Mountain Mutual Reservoir Company, and North Fork Associates, LLC	Bear Creek 1-94CW258	10 (4/15 - 10/15) 5 (10/16 - 4/14)	0.00050 0.00110	0.24155 0.40355	22
23CW3091	1	Anneke B. Taglia Revocable Trust, Mountain Mutual Reservoir Company and North Fork Associates, LLC	Bear Creek 1-94CW259	5 (10/16 - 4/14) 9.9 (4/15 - 10/15)	0.00050 0.00110	0.38873 0.59703	40
23CW3091	1	Anneke B. Taglia Revocable Trust,	Bear Creek 1-94CW260	14.9 (4/1 - 10/15)	0.00030 0.00080	0.39268 0.68421	60

		Mountain Mutual Reservoir Company, and North Fork Associates, LLC		7 (10/16 - 3/31)			
23CW3087	1	DGM Properties, LLC, Mountain Mutual Reservoir Company, and North Fork Associates, LLC	Bear Creek 1-94CW259	5 (10/16 - 4/14) 9.9 (4/15 - 10/15)	0.00590 0.00830	0.38873 0.59703	40
23CW3087	1	DGM Properties, LLC, Mountain Mutual Reservoir Company, and North Fork Associates, LLC	Bear Creek 1-94CW260	14.9 (4/1 - 10/15) 7 (10/16 - 3/31)	0.00400 0.00590	0.39268 0.68421	60
23CW3080	1	Robert and Christina Edwall and Thomas and Ashley Kulisz	Beaver Brook 1-87CW272A	1.5 (4/16 - 7/31) 1 (8/1 - 4/15)	0.05030 0.02770	0.11980 0.11570	3
23CW3080	1	Robert and Christina Edwall and Thomas and Ashley Kulisz	Soda Creek 1-87CW286	1 (1/1 - 12/31)	0.07540 0.02770	0.77740 0.37237	2

**November 15-16, 2023 Board Meeting  
Instream Flow and Natural Lake Level Program  
Summary of Resolved Legal Protection Cases**

The Board's Instream Flow ("ISF") Rule 8i(1) states:

In the event the pretrial resolution includes terms and conditions preventing injury or interference and does not involve a modification, or acceptance of injury or interference with mitigation, the Board is not required to review and ratify the pretrial resolution. Staff may authorize its counsel to sign any court documents necessary to finalize this type of pretrial resolution without Board ratification.

Since the last Board Meeting, staff has resolved issues of potential injury to CWCB's ISF water rights in the following water court cases. Staff, along with the Attorney General's Office, has stipulated in 2 cases in which CWCB had filed a Statement of Opposition. Staff obtained an agreement via a letter-in-lieu of filing a Statement of Opposition in one additional case.

**A. STATEMENTS OF OPPOSITION**

### 1. Case No. 21CW3176 (Water Division 5) - Application of Bar A Ranch

The Board ratified this Statement of Opposition at its March 2022 meeting. Applicant requested “Surface Water Rights and Water Storage Rights”. Staff, in cooperation with the Attorney General’s Office, has negotiated a settlement to ensure that the CWCB’s instream flow water rights will not be injured. CWCB’s stipulation was approved by the Court on October 6, 2023. This case remains pending before the water court Referee.

The CWCB holds instream flow ("ISF") water rights, including the following, in Water Division 5 in the Colorado Headwaters watershed that could have been injured by this application:

Case Number	Stream	Upper Terminus	Lower Terminus	CFS Rate (Dates)	Approp. Date
W-3624 (1977)	Rock Creek	confl Gore Creek	confl Colorado River	10 (1/1 - 12/31)	09/23/1977
79CW363	Egeria Creek	headwaters	confl Toponas Creek	4 (1/1 - 12/31)	12/05/1979
95CW290	Egeria Creek	confl Toponas Creek	confl Rock Creek	8 (4/1 - 10/31) 2 (11/1 - 3/31)	11/06/1995

In addition to standard terms regarding measuring devices, accounting and retained jurisdiction, the Applicant has agreed to the following additional protective terms and conditions:

- “CWCB Terms and Conditions. CWCB holds instream flow water rights adjudicated in Case Nos. W-3624 (1977) on Rock Creek, 79CW363 on Egeria Creek, and 95CW290 on Egeria Creek, among others. In accordance with section 37-92-102(3)(b), C.R.S., these adjudicated instream flow water rights shall be subject to the present uses or exchanges of water being made by Applicant pursuant to appropriation or practices in existence on the date of CWCB’s appropriation, whether or not previously confirmed by court order or decree. Based on section 37-92-102(3)(b), C.R.S., and the Findings of Fact set forth above, the aforementioned Instream Flow Water Rights are subject to some of the Applicant’s water rights that had been in use and appropriated prior to CWCB’s appropriations. As set forth in Table 1 below, the following water rights adjudicated herein are subject to curtailment by reason of CWCB’s instream flow water rights:

Table 1: Subject to Curtailment for Instream Flow Call Placed by CWCB  
("Y" = Applicant's water right must be curtailed; "N" = Applicant's water right shall not be curtailed)"

	Rock Creek W-3624 (1977)	Egeria Creek 79CW363 (1979)	Egeria Creek 95CW290 (1995)
y Spring	N	N	N
er Pasture Spring	Y	Y	N
per Steer Pasture Spring	Y	Y	N
arbonnel Stock Pond 1	Y	Y	N

	Rock Creek W-3624 (1977)	Egeria Creek 79CW363 (1979)	Egeria Creek 95CW290 (1995)
Carbonnel Stock Pond 2	Y	Y	N
Comprehct Hill Pond	N	N	Y
Ision Spring	Y	Y	Y
Scupine Bowl Spring	Y	Y	Y
With Basin Spring	Y	Y	Y
West Smith Basin Spring	Y	Y	Y
Singer Spring	Y	Y	Y
Erner Stock Pond	Y	Y	Y
Ision Stock Pond	Y	Y	Y
Ruce Gulch Pond	Y	Y	Y

## 2. Case No. 22CW3059 (Water Division 5) - Application of Blue River Valley Ranch Lakes Association

The Board ratified this Statement of Opposition at its September 2022 meeting. Applicant requested “Approval of Plan for Augmentation and Appropriative Right of Exchange”. Staff, in cooperation with the Attorney General’s Office, has negotiated a settlement to ensure that the CWCB’s instream flow water rights will not be injured. CWCB’s stipulation was approved by the Court on October 13, 2023. This case remains pending before the water court Referee.

The CWCB holds instream flow ("ISF") water rights, including the following, in Water Division 5 in the Blue watershed that could have been injured by this application:

### Appropriated ISF Water Rights

Case Number	Stream	Upper Terminus	Lower Terminus	CFS Rate (Dates)	Approp. Date
87CW0294	Blue River	confl Straight Creek	confl Willow Creek	50 (10/1 - 4/30) 55 (5/1 - 7/31) 52 (8/1 - 9/30)	10/02/1987
87CW0295	Blue River	confl Willow Creek	confl Rock Creek	58 (10/1 - 3/31) 75 (4/1 - 9/30)	10/02/1987
87CW0296	Blue River	confl Rock Creek	confl Boulder Creek	78 (10/1 - 10/31) 67 (11/1 - 3/31) 90 (4/1 -	10/02/1987



				4/30) 115 (5/1 - 8/31) 90 (9/1 - 9/30)	
87CW0297	Blue River	confl Boulder Creek	confl Slate Creek	70 (11/1 - 2/29) 78 (3/1 - 3/31) 90 (4/1 - 4/30) 125 (5/1 - 8/31) 90 (9/1 - 10/31)	10/02/1987
87CW0298	Blue River	confl Slate Creek	inlet Green Mtn Res @ Doig Gulch	90 (10/1 - 11/30) 85 (12/1 - 2/29) 90 (3/1 - 4/30) 125 (5/1 - 9/30)	10/02/1987
87CW0299	Blue River	outlet Green Mountain Res	confl Colorado River	60 (5/1 - 7/15) 85 (7/16 - 4/30)	10/02/1987

In addition to standard terms regarding measuring devices, accounting and retained jurisdiction, the Applicant has agreed to the following additional protective terms and conditions:

- “The CWCB has obtained minimum stream flow water rights in Case Nos. 87CW294 and 87CW295, District Court, Water Division 5. Applicant shall not operate an exchange project right through any minimum stream flow water right reach at times when the minimum flow water right is not being fully satisfied and the CWCB has placed a call recognized and administered by the Division Engineer. To the extent that depletions attributable to inflows to the BRVRLA Ponds during administration of such minimum flow water rights are incapable of being augmented due to this limitation, Applicant shall curtail or pass inflows to the BRVRLA Ponds as provided in [the following] Paragraph...”
- “Applicant shall curtail any diversions at the Original Headgate and Bobo Ditch APOD at times and in amounts that such diversions are not conducted in-priority or are not being augmented either as set forth herein, including by operation of the limitation prescribed in Paragraph 10.8 herein, or as set forth in any other adjudicated plan for augmentation. Applicant shall pass any flows from the Bobo- Strait Springs to the Blue River at times and in amounts that such flows are not in-priority or exceed priority right and are not being augmented either as set forth herein,

including by operation of the limitation prescribed in Paragraph 10.8 herein, or as set forth in any other adjudicated plan for augmentation. During such curtailment or passage of water, the water level in the BRVRLA Ponds shall drop commensurate with evaporation.”

## **B. LETTERS-IN-LIEU**

The following case was resolved by Staff through a negotiated letter in lieu of filing a water court Statement of Opposition. This method of settlement is preferred when facts and time allow such negotiation before the Statement of Opposition period ends. In each case, CWCB staff will continue to monitor the proposed rulings and decrees. In each case, Applicant has agreed to not oppose a motion to intervene if the agreed upon terms are not included. The following were negotiated to resolution:

### **1. Case No. 23CW3111 (Water Division 5) - Application of WH Cabins, LLC**

During the August 2023 Water Court Resume Review, CWCB staff identified concerns regarding potential injury to CWCB’s instream flow water rights decreed in Case Nos. 90CW305 and 90CW306 on Ranch Creek, and 90CW308 on the Fraser River. This case was resolved with CWCB by a letter agreement, dated October 24, 2023, by which CWCB agreed not to file a Statement of Opposition, provided Applicant incorporates the following terms and conditions into any draft and final decrees and Applicant agrees to not oppose a motion to intervene by CWCB if such terms and conditions are not included.

- "The exchange may not be possible when there is an intervening administrative call by a senior water right on the Fraser River or Ranch Creek such as the Colorado Water Conservation Board’s instream flow rights. When this occurs water will be released from East Pond to Little Cabin Creek and Ranch Creek about 2.5 miles upstream from the wells’ point of depletion. WH Cabins LLC will ensure that the amount of water released will be sufficient to replace out-of-priority depletions in time, place, and amount and any releases will be increased to account for any transit loss that may be assessed by the State and Division Engineers. This water source is available to WH Cabins LLC by contract with Colorado Mountain Resorts Investors, LLC (CMRI)."



**COLORADO**

**Colorado Water  
Conservation Board**

Department of Natural Resources

1313 Sherman Street  
Denver, CO 80203

P (303) 866-3441  
F (303) 866-4474

Jared Polis, Governor

Dan Gibbs, DNR Executive Director

Lauren Ris, CWCB Director

**TO:** Colorado Water Conservation Board Members

**FROM:** Kirk Russell, P.E., Finance Section Chief

**Board Meeting:** November 15-16, 2023 Board Meeting

**Directors Report:** Water Project Loans  
Interest Rates

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### Introduction

The CWCB establishes interest rates bi-monthly for the Water Project Loan Program (per Financial Policy #7).

The current rates for a 30-year term are as follows:

- 2.00% - Agricultural
- 2.80% - Low-income Municipal
- 3.20% - Middle-income Municipal
- 3.60% - High-income Municipal
- 6.00% - Commercial
- 2.00% - Hydroelectric

The standard loan term is 30 years. Rates are reduced by 0.25% for 20-year loans, and by 0.85% for 10-year loans. Rates are increased by 0.25% for 40-year loans.

The rates can also be found on the CWCB web site under the “Loans and Grants” tab. These rates will be applicable for loans presented at this Board meeting.





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Jared Polis, Governor

Dan Gibbs, DNR Executive Director

Lauren Ris, CWCB Director

**TO:** Colorado Water Conservation Board Members

**FROM:** Matthew Stearns, P.E., Project Development

**DATE:** November 15-16, 2023 Board Meeting

**DIRECTORS REPORT: Water Project Loan Program**  
Prequalified Project List and Loan Prospect Summary

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The Finance Section compiles a list of prequalified projects for the Water Project Loan Program. In order to be included on this list, potential borrowers must submit a Loan Application and three years of financial statements to the CWCB staff. In addition, Borrowers requesting to be placed on the Prequalification Project List have a defined project, have performed preliminary engineering, and have a reasonable estimate of the project costs.

Projects on this list fit the initial criteria of the Water Project Loan Program; however, the list does not constitute loan approval. In order to receive a loan, borrowers must additionally submit a completed Loan Feasibility Study for review by CWCB staff. Staff will then prepare a recommendation to the Board for approval at a future CWCB meeting. Projects will remain on this list for one year from the date of the application or until Board approval of a loan.



## Prequalified Project List

BORROWER	PROJECT NAME	APPLICATION DATE	BASIN	PROJECT DESCRIPTION	PROJECT COST/LOAN AMOUNT
Previously Approved Applications					
Northern Colorado Water Conservancy District	Northern Integrated Supply Project	May 1, 2023	South Platte	The District is constructing two new reservoirs (Glade and Galeton), a forebay reservoir, pump plants, delivery pipelines and canal improvements on behalf of the Project's 15 Northern Front Range water providers. This infrastructure will provide participants with 40,000 AF of new water supplies annually.	\$100,000,000
Sustainable Water Augmentation Group, Inc.	Water Rights Purchase	July 1, 2022	Rio Grande	The Corporation is purchasing two irrigated farm/ranch properties where 39 center pivot irrigation circles will be retired, and surface water rights will be used to replace stream depletions to the Rio Grande caused by groundwater withdrawals of member wells.	\$39,200,000
Total					\$139,200,000



The Finance Section also compiles a list of potential borrowers/projects for the Water Project Loan Program. This list represents borrowers that have contacted the CWCB about a potential need for funding but have not submitted a loan application and loan feasibility study. Projects are also identified if they have a Health/Safety (\*), Economic Impact (†), or Federal Match (‡) component.

BORROWER	PROJECT NAME	POTENTIAL LOAN AMOUNT
<b>South Platte</b>		
NISP Participants	NISP	\$750,000,000
Woods Lake Mutual Ditch Company	Culvert Replacement	\$150,000
Town of Kersey	Water Line Project	TBD
Riverside Reservoir and Land Company	Ditch Rehabilitation	\$250,000
Town of Bennett	Raw Water Tank	\$500,000
Evergreen Metro District	Evergreen Dam Enlargement	TBD
Left Hand Water District	Dry Creek Reservoir	TBD
Shawnee Water Consumers Association	Reservoir Rehabilitation	\$200,000
Boulder and White Rock Ditch & Res. Co.	Reservoir Dredging	TBD
Western Mutual Ditch Company	Reservoir Dredging	TBD
Bergen Ditch and Reservoir Company (*)	Reservoir Rehabilitation	\$140,000
Louviers Water and Sanitation District	Regional Connection	TBD
City of Fort Collins	Irrigation Ditch Piping	\$20,000,000
City of Fort Collins	Halligan Reservoir Enlargement	\$120,000,000
Northern Colorado WCD	Windy Gap Firming (increase)	\$54,000,000
SPROWG Participants	SPROWG	\$1,800,000,000
City of Milliken (*)	Hillsboro Dam Rehabilitation	\$15,000,000
Colorado Parks and Wildlife (*)	Tarryall Dam Rehabilitation	\$5,000,000
Standley Lake Operating Committee	Reservoir Expansion	TBD
Switzerland Park HOA	Reservoir Rehabilitation	\$300,000
Danna Ortiz	Knouth Reservoir Rehabilitation	\$3,000,000
Loup Reservoir Company	Loup Reservoir Rehabilitation	TBD
Arthur Irrigation Company	Ditch Rehabilitation	TBD
Handy Ditch Company	Welch Reservoir Rehabilitation	\$1,000,000
Glacier Lake Property Owners	Glacier Lake Outlet Rehabilitation	TBD
Central, City of	Raw Water Pipeline	TBD
Denver, City of	Floodplain Improvement	TBD
Consolidated Mutual Water Company (*)	Reservoir Rehabilitation	TBD
Wadley Farms 3 HOA	Reservoir Rehabilitation	TBD
Loveland Lake and Ditch Company	Reservoir Rehabilitation	TBD
Inverness Water and Sanitation District	Reservoir Improvements	\$2,000,000
Cottonwood Water and Sanitation District	Reservoir Improvements	\$1,600,000
Arapahoe County W/WW Authority	Reservoir Improvements	TBD
<b>Subtotal</b>		<b>\$2,773,140,000</b>



BORROWER	PROJECT NAME	POTENTIAL LOAN AMOUNT
<b>Arkansas</b>		
Town of Manitou Springs	Raw Water Pipeline	\$3,000,000
City of Woodland Park	Storage Project	\$1,000,000
Fort Lyon Canal Company	Adobe Creek Enlargement	\$8,000,000
Deweese Ditch and Reservoir Co. (+)	Reservoir Enlargement	TBD
Holbrook Ditch Company	Reservoir Enlargement	TBD
Lake County	New Reservoir	TBD
Catlin Canal Company	Canal System Improvement	\$1,500,000
Lower Arkansas WCD	New Storage Account	TBD
Donala Water and Sanitation District	Ditch Construction	TBD
Mesa McKenna Mutual Ditch Company	Ditch Piping Project	TBD
Town of Avondale (*)	New Well	TBD
Ordway, Town of	Reservoir Rehabilitation	TBD
Cross Creek Metropolitan District	Hale Reservoir Rehabilitation	\$3,000,000
Fort Lyons Canal Company (+)	Diversion Structure Repair	\$500,000
Aguilar, Town of (‡)	New Augmentation Reservoir	TBD
Huerfano County	Water Rights Purchase	\$1,200,000
Rocky Ford High Line Canal Company	Diversion Structure Repair	TBD
Lincoln Park Crooked Ditch Company	Ditch Rehabilitation	TBD
Huerfano Cucharas Irrigation Company	Reservoir Rehabilitation	\$200,000
Fruitland Water Company	Ditch Piping Project	\$400,000
<b>Subtotal</b>		<b>\$18,800,000</b>
<b>San Miguel/Juan</b>		
Town of Bayfield	Ditch Piping Project	\$500,000
Redmesa Reservoir and Ditch Company(*)	Redmesa Reservoir Enlargement	\$11,500,000
City of Cortez	Distribution System (Loss Prevention)	\$10,000,000
Webber Ditch Company (‡)	Ditch Piping Project	TBD
Pagosa Area Water and Sanitation Dist. (*)	Raw Water Pipeline Rehabilitation	TBD
Town of Naturita	Water Meters	TBD
Farmers Water Development Company	Reservoir Rehabilitation	TBD
Lone Cone Ditch and Reservoir Company	Reservoir Rehabilitation	TBD
Sellers McClane Reservoir and Ditch Co.	Reservoir Rehabilitation	TBD
<b>Subtotal</b>		<b>\$22,000,000</b>
<b>Colorado</b>		
Orchard Mesa Irrigation District	Lateral Piping	\$300,000
Silt Water Conservancy District	Harvey Gap Reservoir	\$300,000
Middle Ditch	Ditch Piping Project	TBD
New Multa Trina Ditch Company (‡)	Ditch Piping Project	TBD
Gunther Covers	Christenson Dam	TBD
Town of Minturn	New Well Field	\$5,220,000
Flannery Water Company, LLC	Reservoir Rehabilitation	TBD
Fruita, City of	Reservoir Rehabilitation	TBD
Circle C Ranch	King Dam Rehabilitation	TBD
Royal Elk Ranch	Ditch Rehabilitation	\$2,000,000
Clifton Water District	New Reservoir	\$8,000,000
<b>Subtotal</b>		<b>\$15,820,000</b>



BORROWER	PROJECT NAME	POTENTIAL LOAN AMOUNT
<b>Gunnison</b>		
Duke Ditch Company	Ditch Piping Project	\$400,000
Bostwick Park Water Conservancy District	Dam Construction	TBD
Kendall Reservoir Company	Reservoir Rehabilitation	\$140,000
Ouray, City of	Water Supply Pipeline	\$750,000
Grand Mesa Water Users Association	Reservoir Rehabilitation	\$600,000
Crested Butte, Town of	Dam Outlet Rehabilitation	TBD
Olathe, Town of	Water Meter Replacement	TBD
Lone Cabin Ditch Company	Ditch Rehabilitation	TBD
Otter Pond HOA	Dam Rehabilitation	\$650,000
Project 7 Water Authority	Raw Water Pipeline	TBD
Grand View Canal Irrigation Company	Ditch Piping Project	\$500,000
<b>Subtotal</b>		<b>\$3,040,000</b>
<b>North Platte</b>		
Colorado Parks and Wildlife (*)	North Michigan Creek Reservoir	\$6,000,000
Spicer Ranches, LTD	Reservoir Rehabilitation	TBD
Walden, Town of	New Well	TBD
<b>Subtotal</b>		<b>\$6,000,000</b>
<b>Rio Grande</b>		
Manassa Land & Irrigation Co.	Ditch Rehabilitation	\$6,000,000
Baca Grande WSD	Water Rights Purchase	\$1,000,000
Sanchez Ditch and Reservoir Co.	Dam Rehabilitation	\$4,000,000
Rio Grande WCD - Subdistrict #1	Water Rights Purchase	\$5,000,000
Colorado Parks and Wildlife	Alberta Park Dam Rehabilitation	\$4,000,000
La Jara, Town of	System Rehabilitation	TBD
Crestone, Town of	Water Rights Purchase	\$200,000
San Luis Valley WCD	Water Rights Purchase	\$500,000
Rio Grande WCD	Water Rights Purchase	\$3,000,000
Costilla County Conservancy District	Water Rights Purchase	\$300,000
Sanchez Ditch and Reservoir Company	Sanchez Reservoir Rehabilitation	TBD
<b>Subtotal</b>		<b>\$24,000,000</b>
<b>Yampa</b>		
Town of Oak Creek (*)	Reservoir Rehabilitation	\$5,600,000
Rio Blanco WCD	Wolf Creek Reservoir	\$100,000,000
Bear River Reservoir Company	Stillwater #1 Dam Rehabilitation	TBD
Marc Etchart	Procter Reservoir Rehabilitation	TBD
<b>Subtotal</b>		<b>\$105,600,000</b>







## COLORADO

### Colorado Water Conservation Board

Department of Natural Resources

1313 Sherman Street  
Denver, CO 80203

P (303) 866-3441  
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Jared Polis, Governor

Dan Gibbs, DNR Executive Director

Lauren Ris, CWCB Director

**To:** Colorado Water Conservation Board Members

**From:** Kirk Russell, P.E., Finance Section Chief  
Jessica Halvorsen, Program Assistant

**Board Meeting:** November 15-16, 2023 Board Meeting

**Directors Report:** Water Project Loan Program, Design & Construction Status Report

The CWCB Loan Program has Substantially Completed (10) projects in Calendar Year 2023 as shown in the Table. There are currently (51) projects authorized to receive loan funding totaling \$353M. There are (47) projects currently under contract and in the Design/Construction phase totaling \$257M. The attached spreadsheet summarizes the status of all loans. A detailed description about each project is provided on the CWCB website under Water Project Loan Program. [cwc.colorado.gov/loans-grants/water-project-loan-program](http://cwc.colorado.gov/loans-grants/water-project-loan-program)

	Borrower	Project	County	Loan Amount	Complete
1	Southeastern Co Water Conservancy District	Pueblo Dam Hydroelectric Project	Pueblo	\$17,392,200	1/1/23
2	Arapahoe County Water and Wastewater Authority	Chambers Reservoir Liner Rehabilitation	Arapahoe	\$4,404,000	3/1/23 (a)
3	Logan Irrigation District	Prewitt Reservoir Rehabilitation	Logan	\$1,257,750	3/1/23 (b)
4	North Sterling Irrigation District	North Sterling River Diversion Replacement	Logan	\$3,532,980	3/1/23
5	Morrisania Water Supply Company	Ditch Rehabilitation Project	Garfield	\$101,000	5/1/23
6	South Platte Ditch Company	Diversion Structure Rehabilitation	Washington	\$1,453,779	5/1/23
7	Deuel and Snyder Improvement Company	Diversion Structure Replacement	Morgan	\$638,776	5/1/23
8	Trinchera Conservancy District Groundwater Management	Alpha Hay Farms Augmentation	Conejos	\$2,251,290	6/1/23
9	Spring Dale Ditch Company	Diversion Structure Replacement	Logan	\$1,216,243	6/1/23
10	Sunnyside Park Ditch Company	Sunnyside Park Ditch Piping	Chaffee	\$510,915	8/1/23
			Total	\$32,394,933	

Calendar Year 2023 has added and preserved 4,700 acre-feet of reservoir storage; (a) 1,400; (b); 3,300



**PROJECTS UNDER CONTRACT**

PROJECT						STATUS			
	Borrower	Project Name	Basin	Contract #	Amount	Manager	Design	Construction	Update
1	Amity Mutual Irrigation Company	Queen Reservoir Dam Rehabilitation	Arkansas	CT2021-2224	\$2,626,000	Joshua Godwin	100%	5%	Construction to begin in April 2024.
2	Billings Ditch Company	Billings Ditch Implementation Project	Rio Grande	CT2022-2886	\$171,000	Cole Bedford	100%	98%	This project is being managed by the Rio Grande Headwaters Restoration Foundation to replace the Billings Ditch diversion structure. A water plan grant for the same project was contracted in October 2021. Construction is complete except for final punch list items.
3	Board of Water Works of Pueblo	Southside Diversion Dam Improvement Project	Arkansas	CT2024-1240	\$9,750,000	Cole Bedford	100%	0%	The project will update a large diversion structure on the Arkansas River. Design work is complete. Project Bidding took place in September 2023. Construction work is currently underway and expected to be complete in Spring 2024.
4	Breckenridge, Town of	Goose Pasture Tarn Dam Rehabilitation	Colorado	CT2023-0673	\$13,000,000	Cole Bedford	100%	75%	The project has been under construction since 2020. This loan is intended to cover the costs of the second half of the project which is starting in the fall of 2022. The first draw took place in December 2022. Construction will continue into 2024.
5	Crawford Clipper Ditch Company	Crawford Clipper Ditch Improvements	Gunnison	CT2024-2009	\$750,000	Joshua Godwin	50%	0%	Contract signed for both loan and WSRF.
6	Dove Creek, Town of	Reservoir No. 2	Southwest	CT2022-3321	\$800,000	Cole Bedford	80%	0%	This project will support the Town of Dove creek in constructing a new storage reservoir for municipal supply. The Town also received an \$800,000 WPG for the project. Subsequent engineering work suggests that project costs will exceed current funding. The Town is currently focused on securing additional funds.
7	Duke Ditch Company	Piping the Duke Ditch	Gunnison	CT2017-0915	\$90,000	Matt Stearns	100%	0%	NRCS finalized the design in August 2018. Federal grant expired. Company is evaluating options of applying for a loan increase and completing project without federal grant dollars.
8	East Mesa Water Company	East Mesa Emergency Ditch Repair	Colorado	CT2024-2668	\$414,000	Joshua Godwin	25%	0%	Collier geophysics visiting site Nov 13th to map out geology and confirm alignment.
9	Florida Consolidated Ditch Company	Hess Lateral Improvement	Southwest	CT2019-2034	\$1,075,000	Kirk Russell	100%	0%	Company received a Water Smart Grant in Aril 2023. This \$2M will help cover the increase of construction costs since the original bid in 2020. Company hopes to start construcion in the fall of 2023.
10	Florida Consolidated Ditch Company	Florida Canal Diversion Replacement	Southwest	CT2021-2890	\$750,000	Matt Stearns	100%	0%	This project is the replacement of a low head dam diversion structure with multibeneficial outcomes. Construction began October 2023 and expects to be complete in December 2023.
11	Fort Morgan Farms, LLC	Delta Water Storage Phase 1	South Platte	CT2021-2222	\$8,982,000	Cole Bedford	100%	75%	The Delta Storage Project will construct a below grade storage reservoir. The loan covers the cost of constructing a slurry wall around the reservoir to isolate future stored water from existing groundwater. The slurry wall is complete.
12	Fort Morgan Reservoir and Irrigation Company	Augmentation Pump Replacement Project	South Platte	CT2023-3300	\$1,753,000	Cole Bedford	100%	98%	Construction is complete on new pumps and new pump house. One final pay request is expected for final punch list items and a pressure relief valve then the loan will be closed out.
13	Fruitland Irrigation Company	Tunnel and Canal Renovation	Gunnison	CT2019-2848	\$1,729,000	Kirk Russell	100%	80%	Sept 2018 letter from Bureau of Reclamation recvd. Section 1 tunnel work bid pkg Dec2020. Section 2 Tribble - Pipe placement, compaction testing. Section 3&4 Rundle - begin breaking and removal of bedrock. Tribble and Wright placing concrete lining. Co may need to request additional funds
14	Genesee Water and Sanitation District	Genesee Reservoir No. 1 Enlargement	South Platte	CT2021-2851	\$5,500,000	Cole Bedford	100%	70%	The District was approved for this loan in Sep 2020 and a Water Plan Grant followed in March 2021. Bids were received in June 2021 and were well above expectations. A loan increase request was approved at the September 2022 Board meeting. Construction is now under way.
15	Glenwood Springs, City of	System Redundancy and Pre-Treatment Improvements	Colorado	CT2021-3104	\$8,000,000	Cole Bedford	100%	98%	This Wildfire Emergency Loan will improve the infrastructure for Glenwood Springs' water collection system to cope with increased sediment in their source waters as a result of the Grizley Creek Fire in 2020. Construction on all portions of the project are complete. The loan will be closed out in June 2024.
16	Grand Junction, City of	Carson Reservoir Dam Rehabilitation	Gunnison	CT2021-3110	\$4,300,000	Joshua Godwin	100%	95%	Preliminary dam safety close out inspection complete 10/19/22. ESCO (contractor) demobilized. Grand Junction installing hydraulic gate. Fill test to begin in Aug and expected to be completed by end of 2023.
17	Grand Junction, City of	Kannah Creek Flowline Replacement	Gunnison	CT2023-0568	\$3,200,000	Joshua Godwin	90%	0%	Contractor selected. NTP expected Aug and construction soon thereafter. Materials (i.e. pipe) and easements acquired.
18	Grand Junction, City of	Purdy Mesa Flowline Replacement	Gunnison	CT2021-2857	\$7,000,000	Joshua Godwin	70%	0%	Construction will be split between Grand Junction's team for the more moderate section and the contractor for the other portions. RFP expected to be sent out in Sept. May redesign to avoid need for tank. Materials (i.e. pipe) and tank purchased.
19	Grand View Irrigation Company	Siphon Repair Project	Arkansas	CT2023-2058	\$350,000	Joshua Godwin	100%	95%	Project is nearly complete with minor project close-out items remaining.
20	Groundwater Management Subdistrict of CCWCD	Hokestra Reservoir Purchase	South Platte	CT2020-2248	\$5,390,500	Cole Bedford	100%	75%	This Project will purchase an existing reservoir for use as augmentation storage. Funds have been disbursed for the reservoir purchase, but construction is ongoing.

**PROJECTS UNDER CONTRACT**

PROJECT						STATUS		
Borrower	Project Name	Basin	Contract #	Amount	Manager	Design	Construction	Update
Groundwater Management Subdistrict of CCWCD	Pioneer Reservoir	South Platte	CT2019-3687	\$8,611,000	Cole Bedford	75%	75%	This is a gravel pit retrofit for augmentation water supply. Funds for the initial reservoir purchase and some engineering were disbursed in May 2019. Construction efforts began in Fall 2022.
Hidden Valley Water District	Master Water Meter Connection	South Platte	CT2020-2244	\$1,720,000	Kirk Russell	100%	95%	Assets and operations are all to the District. District signed and approved EMD IGA. Precon Dec2019. Construction begin Feb 2020. EMD connect 7/2020. Construction complete, final walkthru Aug2020. Working on IGA with EMD. Continued water court proceedings by EMD.
Keensburg, Town of	Alluvial Water Rights Extension Project	South Platte	CT2024-2007	\$2,100,000	Joshua Godwin	0%	0%	Contact made with new town manager and working through process to purchase water rights.
Lookout Mountain Water District	Upper and Lower Beaver Brook Dam Rehabilitation	South Platte	CT2021-3115	\$3,500,000	Joshua Godwin	100%	75%	Mobilize Memorial Day weekend to begin work out outlet works. Outlet works constructed in Aug. Substantial completion anticipated before end of 2023.
North Poudre Irrigation Company	Park Creek Expansion Project	South Platte	CT2023-2593	\$6,480,000	Cole Bedford	60%	5%	Project is currently in the design phase for a dam height increase which will increase reservoir storage space. Some clearing took place over the winter as well as stockpiling material.
Ogilvy Augmentation Company	Loloff Reservoir Acquisition	South Platte	CT2024-2004	\$1,129,000	Joshua Godwin	0%	0%	Funds sent to cover the purchase of Loloff Reservoir.
Ogilvy Irrigating and Land Company	Seely Reservoir Dredging	South Platte	CT2019-2099	\$2,252,000	Joshua Godwin	85%	0%	OILC is obtaining county permits to cross county road with haul trucks. They plan to construct in the fall/winter 2023.
Orphan Wells of Wiggins	Kiowa Creek Dam Rehabilitation	South Platte	CT2021-3116	\$373,000	Cole Bedford	100%	85%	This project will repair five non-jurisdictional dams operated by Orphan Wells of Wiggins for augmentation purposes. Mobilization took place in January 2021. Dam work complete Spring 2021. Loan increase request (May 2021) for well power supply conversion.
Platte Valley Irrigation Company	Platte Valley Reservoir No. 1	South Platte	CT2024-2005	\$4,500,000	Joshua Godwin	80%	0%	Final design submitted for Dam Safety review.
Redmesa Reservoir and Ditch Company	Redmesa Reservoir Rehabilitation Engineering	Southwest	CT2022-0498	\$183,000	Matt Stearns	60%	0%	This project is to engineer a financially feasible dam rehabilitation, including a potential enlargement. Work began on March 8, 2021. The Company has secured a local governmental sponsor and has been approved to proceed in the NRCS PL-566 program which will cover 100% of design and 75% of construction.
Rio Grande Water Conservation District Subdistrict No. 5	Saguache Pipeline	Rio Grande	CT2021-3846	\$6,020,000	Cole Bedford	100%	50%	Working on well owner agreement and Project easement agreements. Loan increase request in January 2023. Bidding is complete and work is underway.
Root and Ratliff Ditch Company	Ditch Piping and Rehabilitation	Southwest	CT2022-2976	\$300,000	Kirk Russell	100%	99%	Project is nearly complete. All pipe is in place. Final grading and seeding is done. SC expected in summer 2023
Smith and Emmons Ditch Company	Diversion Structures Replacement Project	South Platte	CT2023-2473	\$410,000	Cole Bedford	100%	10%	Contractor has been selected and preliminary materials purchased. A subsequent WPG will cover a portion of the project costs. Once that is contracted, work is expected to get underway.
Special Improvement District No. 3 of the RGWCD	Alpha Hay Farms Augmentation	Rio Grande	CT2023-2843	\$2,555,000	Cole Bedford	100%	0%	Pay Requests for the initial land purchase was approved at the end of April. Construction work that will be ongoing into 2024.
Special Improvement District No. 4 of the Rio Grande WCD	Peachwood Farms Augmentation & Sustainability	Rio Grande	CT2023-3361	\$3,456,000	Cole Bedford	100%	50%	Contract is complete and ready to disburse funds. The first pay request for land purchase is expected in spring 2023 after which some construction work will take place.
Trinchera Conservancy District Groundwater Management Subdistrict	Augmentation Pipeline	Rio Grande	CT2022-3040	\$977,000	Kirk Russell	100%	99%	Project is complete. Substantial completion expected in 2023.
Triview Metropolitan District	Stonewall Springs Reservoir Complex	Arkansas	CT2022-3328	\$4,731,000	Kirk Russell	100%	75%	Work is complete. Dist is requesting additional loan funding in Nov '23 from CWCB.
Tunnel Water Company	West Half Laramie-Poudre Tunnel Rehabilitation	North Platte/South Platte	CT2019-3706	\$17,830,000	Kirk Russell	100%	98%	Construction was completed in spring of 2022 after delays due to Cameron Peak wildfire. After the '22 irrigation season a warrenty inspection found and a large portion of the tunnel lining caved in. This repair was made in the winter of 22/23. Continued discussion re cost inceased responsibility.
Tunnel Water Company	Headgate Improvements (Wildfire Impact)	North Platte/South Platte	CT2021-3928	\$1,206,000	Kirk Russell	100%	99%	Power supply installation complete. Duperon gate delivery at site. Headgate installation underway. Construction complete.
Twin Lakes Reservoir and Canal Company	Grizzly Reservoir Rehabilitation	Colorado	CT2024-2006	\$9,833,000	Joshua Godwin	95%	0%	Construction delayed until summer of 2024

# PROJECTS UNDER CONTRACT

PROJECT						STATUS		
Borrower	Project Name	Basin	Contract #	Amount	Manager	Design	Construction	Update
41 Uncompahgre Valley Water Users Association	Taylor Park Hydro Powerplant Project	Gunnison	CT2023-2565	\$1,685,000	Cole Bedford	100%	30%	This project will construction a hydropower plant at the toe of Taylor Reservoir Dam. Preliminary materials purchase and design work is complete. Construction is currently underway.
42 Victor, City of	Victor Reservoir No. 2 Dam Rehabilitation	Arkansas	CT2021-3873	\$510,000	Kirk Russell	100%	0%	Construciton delay until May 2024 due to supply delivery schedules. Town removed portion of outlet tower and DWR/Dam Safety issued a fill restriction.
43 Wiggins, Town of	Wiggins Recharge Facility at Glassey Farms	South Platte	CT2018-0892	\$2,385,000	Cole Bedford	100%	0%	The purpose of this project is to develop an augmentation water source for the Town. In August 2017 the Town purchased Glassey Farms and its associated water rights and 52% of funds were disbursed at that time. The project is back underway and an extension was granted.
44 Windy Gap Firming Project Water Activity Enterprise	Windy Gap Project (Chimney Hollow Reservoir)	South Platte	CT2021-2039	\$89,108,911	Cole Bedford	100%	30%	Construction contract was awarded in December and allotment contracts among project participants are being drafted. Contractor was selected in October. Project loan conditions were amended at the March Board Meeting. The project is well underway, but has not drawn on the loan yet.
45	Grand Valley Water Users Association	Colorado	CT2022-2084	\$1,066,000	Matt Stearns	100%	99%	This project will replace the existing 2.75 MW hydroelectric powerplant with a new 4.5 MW facility. Contractor mobilized November of 2021, and construction of the power generation facility completed in November 2022. The powerplant is producing power (up to 3.2 MW as of July 2023) via a temporary interconnect with Xcel Energy, and will be fully operational in March 2024 via a permanent interconnect.
	Orchard Mesa Irrigation District		CT2022-0892	\$1,066,000				
46	Cottonwood Water and Sanitation District	South Platte	CT2015-0105	\$1,674,000	Cole Bedford	100%	90%	Binney Connection Pipeline of Water Infrastructure and Supply Efficiency project will increase WISE flow capacity to 30MGD and provide infrastructure from Aurora Binney Facility to SMWSA. Pumps/Treatment-Glacier, Pipeline/Infrastructure-T.Lowell, Jacobs is Engineer. Vault excavation began 9/2020. Construction trailer onsite through project duration. Glacier complete foundation work, pumppp cans have been delivered and installed, pump motors have arrived at the pump manufacture, preliminary SCADA meetings begun, Glacier starting to form rebar for the flow control building, start laying pipe. Precast concrete walls for pump station complete.
	Inverness Water and Sanitation District		CT2015-0119	\$2,105,000				
	Pinery (Denver SE Water and Sanitation District)		CT2015-0086	\$1,413,130				
47	Cottonwood Water and Sanitation District	South Platte	CT2015-0104	\$363,600	Cole Bedford	98%	60%	Annual disbursement to be made on this loan through 2021.Design Status indicates percent of funds disbursed to date. WISE WDA negotiations between parties continue with the goal of having an amended Water Delivery Agreement ready to be brought to the respective Boards and Council for review and approval by April 1, 2021. Group discussion continues focused on the DIA Connection.
	Inverness Water and Sanitation District		CT2015-0120	\$450,000				
	Parker Water and Sanitation District		CT2015-0110	\$1,089,000				

TOTAL UNDER CONTRACT \$256,712,141

# APPROVED PROJECTS, NOT CONTRACTED

PROJECT						STATUS		
Borrower	Project Name	Basin	Contract #	Amount	Manager	Design	Construction	Update
1 Southeastern Colorado Water Conservancy District	Arkansas Valley Conduit	Arkansas	CT2024-XXXX	\$90,000,000	Kirk Russell	0%	0%	Federal Funding will control the scheduled use of these funds
2 Logan Irrigation District	Prewitt Reservoir Rehabilitation	South Platte	CT2023-XXXX	\$1,831,000	Cole Bedford	0%	0%	This Project is currently on hold. Related work on the Prewitt Dam was completed in the fall of 2022 and dredging work may go forward in the fall of 2023.
3 Colorado City Metropolitan District	Lake Beckwith Dam Modifications	Arkansas	CT2024-XXXX	\$3,333,000	Joshua Godwin	0%	0%	
4 Oxford Farmers Ditch Company	Chicosa Siphon Repair	Arkansas	CT2024-XXXX	\$1,500,000	Joshua Godwin	0%	0%	

NOT UNDER CONTRACT SUB \$96,664,000

PROJECTS UNDER CONTRACT

PROJECT						STATUS		
Borrower	Project Name	Basin	Contract #	Amount	Manager	Design	Construction	Update

GRAND TOTAL \$353,376,141

**WATER PROJECT CONSTRUCTION LOAN PROGRAM  
LOAN REPAYMENT DELINQUENCY REPORT  
LOAN FINANCIAL ACTIVITY REPORT  
October 2023**

**LOAN REPAYMENT DELINQUENCY**

Loan repayments received relative to the Water Project Construction Loan Program have been reviewed for the period covering July 2023 through October 2023 to date of report. The effective due date of the payment is inclusive of the Board's current 60 day late policy. Hence, the date the payment was received was compared to the last day allowable prior to the payment being considered late.

Repayments due for Fiscal Year 2024 total 302. Two Rivers is currently delinquent. All other payments are current.

**LOAN FINANCIAL ACTIVITY**

Loan financial activity relative to the Water Project Construction Loan Program for Fiscal Year 2024 is summarized as follows:

Funds received relative to loans in repayment totaled \$12.7M for this year.

Funds disbursed relative to new project loans totaled \$2.4M for this year.

Net activity resulted in \$10.3M received by the CWCB Construction Fund and the Severance Tax Perpetual Base Fund (STPBF) over the total disbursed.

Further breakdown is summarized as follows:

The Construction Fund portion consists of \$4.6M in receipts and \$1.8M in disbursements for a total net activity of \$2.8M received over disbursed.

The STPBF consists of \$8.1M in receipts and \$.7M in disbursements for a total net activity of \$7.4M received over disbursed.

**CONSTRUCTION FUND**

Period	Principal	Interest	Total Received	Disbursements	Net Activity
July 2023	\$ 465,287	\$ 266,231	\$ 731,518	\$ -	\$ 731,518
August 2023	\$ 334,830	\$ 245,660	\$ 580,490	\$ 424,515	\$ 155,975
September 2023	\$ 1,504,037	\$ 1,064,945	\$ 2,568,981	\$ 74,424	\$ 2,494,557
October 2023	\$ 430,797	\$ 254,046	\$ 684,843	\$ 1,259,623	\$ (574,780)
November 2023			\$ -		\$ -
December 2023			\$ -		\$ -
January 2024			\$ -		\$ -
February 2024			\$ -		\$ -
March 2024			\$ -		\$ -
April 2024			\$ -		\$ -
May 2024			\$ -		\$ -
June 2024			\$ -		\$ -
<b>FY 2023 Totals</b>	<b>\$ 2,734,950</b>	<b>\$ 1,830,882</b>	<b>\$ 4,565,832</b>	<b>\$ 1,758,562</b>	<b>\$ 2,807,270</b>

**SEVERANCE TAX TRUST FUND PERPETUAL BASE ACCOUNT**

Period	Principal	Interest	Total Received	Disbursements	Net Activity
July 2023	\$ 129,659	\$ 85,540	\$ 215,199	\$ 97,653	\$ 117,547
August 2023	\$ 1,272,582	\$ 1,008,689	\$ 2,281,271	\$ 284,533	\$ 1,996,739
September 2023	\$ 4,178,352	\$ 939,983	\$ 5,118,335	\$ 225,715	\$ 4,892,620
October 2023	\$ 480,598	\$ 46,031	\$ 526,629	\$ 65,627	\$ 461,002
November 2023			\$ -		\$ -
December 2023			\$ -		\$ -
January 2024			\$ -		\$ -
February 2024			\$ -		\$ -
March 2024			\$ -		\$ -
April 2024			\$ -		\$ -
May 2024			\$ -		\$ -
June 2024			\$ -		\$ -
<b>FY 2023 Totals</b>	<b>\$ 6,061,192</b>	<b>\$ 2,080,243</b>	<b>\$ 8,141,435</b>	<b>\$ 673,527</b>	<b>\$ 7,467,908</b>

<b>GRAND TOTAL</b>	<b>\$ 8,796,142</b>	<b>\$ 3,911,125</b>	<b>\$ 12,707,267</b>	<b>\$ 2,432,089</b>	<b>\$ 10,275,178</b>
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